HARVARD UNIVERSITY

LIBRARY
OF THE
MUSEUM OF COMPARATIVE ZOÖLOGY

FROM THE
WILLARD PEELE HUNNEWELL
(CLASS OF 1904)
MEMORIAL FUND
42910

The income of this fund is used for the purchase of entomological books

July 14, 1915.

The
Macrolepidoptera
of the World

= A systematic description =
of the known Macrolepidoptera

edited with the collaboration of well-known specialists

by

Dr. Adalbert Seitz, Professor Ph. D.

I. Section 3. Volume: The Palearctic Noctuidae.

Plates.

STUTTGART
Verlag des Seitz'schen Werkes (Alfred Kernen)
1914.

All rights reserved.

Printed by H. Laupp jr, Tübingen.

3. Volume

Index of Plates.

The numbers refer to the plates.

Episteme 1
Chelonomorpha 1
Mimeusemia 1
Scrobigera 1
Syfania 1
Asteropetes 1
Zalissa
Ophthalmis 1
Panthea 2
Moma 2
Canna 2
Daseochaeta 2
Diphtherocome 2
Diphthera 2
Colocasia 2
Oxycesta 2
Eogena 2
Euromoia 2
Simyra 2
Arsilonche 2
Leiometopon 2
Acronicta 2, 3, 75
Chamaepora 3
Anacronicta 3
Panthauma 4
Xanthomantis 4
Metachrostis 4
Euxoa 5—7, 12, 15, 18
Rhyacia 6—13, 15, 21
Nyssocnemis 13
Epigena 13
Hermonassa 13, 15
Amphitrota 15
Perissandria 13
Xestia 13, 15
Aplectoides 13
Anomogyna 13, 14, 18
Eurois 14
Cerastis 14
Orthosia 14
Mythimna 14
Hypoxestia 14
Naenia 14
Epilecta 14
Triphaena 14, 15
Eueretagrotis 15
Rhynchagrotis 15
Isochlora 15
Actinotia 15
Anhausta 12
Blepharita 15
Paraxestia 15
Barathra 15
Discestra 15
Craterestra 15
Scotogramma 12, 15
Haderonia 15
Polia 16—18
Harmodia 17, 18
Aplecta 19, 20
Pachetra 19, 20
Hadena 19
Tholera 19
Thargelia 20
Odontelia 20
Hypobarathra 20
Conisania 21
Onichestra 19
Protonestra 20
Epia 20, 21
Cardepia 21
Trichoclea 20, 21
Manobia 20, 21
Lasianobia 20
Lasiestra 20, 21
Lasionycta 20, 21
Hadula 20, 21
Tiracola 21
Hyssia 20, 21
Eriopygodes 21
Monostola 20, 21
Xylomania 20, 21
Perigrapha 21
Monima 20—22
Clavipalpula 22
Brithys 20
Cerapteryx 20
Hyperiodes 23, 24
Hyphilare 23, 24
Sideridis 23—25
Meliana 25
Brachygalea 28
Cucullia 26—28
Copicucullia 29
Cheligalea 29
Argyromata 29
Lophoterges 28
Callierges 24
Copiphana 24
Metopoceras 24, 28
Ammetopa 24
Cleophana 24
Amephana 24
Omphalophana 24, 28, 29
Calophasia 24, 28, 29
Leucochlaena 28, 29
Ulochlaena 28, 29
Derthisa 28, 29
Oncocnemis 28, 29
Copitype 28
Brachionycha 29
Dasypolia 28, 29
Bombycia 27, 30
Hillia 28
Aporophyla 28, 30
Chloantha 30
Euscotia 30
Lithophane 28, 30, 31
Xylina 31
Dichonia 31
Thecophora 31
Dryobota 31
Meganephria 31, 32
Calotaenia 32
Eumichtis 32
Crino 28, 32
Agriopis 32
Lamprosticta 32
Crypsedra 32
Dryobotodes 32, 33
Valeria 33
Antitype 33, 34
Rhizotype 34
Stenostigma 34
Bryomima 34, 34
Euxenistis 34
Blepharidia 28, 34
Dimya 34
Dasysternum 34, 35
Dasythorax 28, 35
Eupsilia 35
Epiglaea 35
Orbona 35
Xantholeuca 35
Conistra 35, 36
Omphaloscelis 36
Spudaea 36
Orrhodiella 28
Amathes 28, 36, 37
Atethmia 28
Cosmia 24, 28
Telorta 28
Perinaenia 38
Pyrois 38
Amphipyra 38, 39
Gracilipalpus 42
Stygiostola 38
Orthogonia 38, 39
Mania 39, 41
Dipterygia 38
Parastichtis 39, 40
Oligia 40—42
Eremobia 41
Gerbathodes 41, 42
Atrachea 41
Crymodes 41, 42
Sidemia 41, 42
Phoebophilus 41, 42
Heterographa 41
Heteromma 41
Heraema 41
Margelana 41
Eremopola 41
Centropodia 41
Pseudopseustis 41
Pseudohadena 41—43
Luperina 43
Lasiplexia 43
Pareuplexia 42
Trachea 43
Euplexia 43, 44
Trigonophora 44
Chutapha 44
Habryntis 44
Conservula 44
Cobalos 44
Oroplexia 44
Eriopus 42, 44
Telesilla 44
Callogonia 44
Plusilla 44
Virgo 44
Harrisimemna 44
Aucha 44
Polyphaenis 42, 44
Triphaenopsis 42, 44
Talpophila 44
Jambia 48
Bryoleuca 48
Araea 48
Chytonix 44, 48
Stilbina 48
Hypeuthina 42, 48
Pseudoligia 42
Scotocampa 48
Matopo 48
Delta 42
Lithomoia 42
Pulcheria 42
Antha 42
Rhabinopteryx 42
Epimecia 42
Fergana 42
Stilbia 42
Praestilbia 48
Hypostilbia 42, 48
Amphydrina 42
Prodenia 42
Spodoptera 42
Laphygma 48
Athetis 42, 45, 48
Prometopus 48
Acosmetia 45, 48
Petilampa 45
Dysmilichia 45
Proxenus 45, 48
Radinogoes 45, 48
Haemassia 45
Galgula 50
Balsa 48
Psilomonodes 45
Condica 45
Propsalta 18, 45
Scioptila 47
Perigea 47
Hadjina 47
Xylomoia 47
Catamecia 47
Namangana 47
Gortyna 46
Apamea 46
Xanthoecia 46
Hydroecia 46
Brachyxanthia 46
Pyrrhia 46
Ipimorpha 46
Meristis 46
Dadica 46
Strepselydna 46
Elydna 46
Radinacra 46
Calymnia 47
Pinacoplus 47
Metopoplus 47
Mycteroplus 47
Dicycla 47
Enargia 18, 47—49
Phragmitiphila 49
Rhizedra 49.
Arenostola 49
Archanara 49
Coenobia 48
Nonagria 48
Oria 48
Argyrospila 48
Sesamia 48
Calamia 48
Sphragifera 48
Chasminodes 48
Euterpia 48
Synthymia 48
Megalodes 48
Paraegle 48
Metaegle 48
Aegle 48
Opsyra 48

Protoseudyra 48
Heliocheilus 50
Chloridea 50
Rhodoleptria 50
Chariclea 50
Aedophron 50
Melicleptria 50
Timora 51
Adisura 51
Hebdomochondra 51
Erythrophaia 51
Cladocerotis 50
Anartomorpha 48, 50
Schöyenia 48, 50
Orosagrotis 50
Grumia 50
Oxytrypia 50
Anarta 50
Panolis 50
Emia 50
Sympistis 50
Hypsophyla 50
Cteipolia 50
Heliothis 50
Pyrocleptria 50
Xanthothrix 50
Apaustis 50
Panemeria 50
Janthinea 50
Stenoecia 50
Micriantha 50
Stemmaphora 50
Omorphina 50
Mesotrosta 50
Micraeschus 51
Penisa 51
Polyorycta 51
Leptosia 51, 52
Glaphyra 51
Eublemma 51
Calymma 51
Coccidiphaga 51
Thalomicra 52
Porphyrinia 51, 52
Autoba 51
Oruza 51
Hyposada 51
Sophta 52
Corgatha 51
Stenoloba 51, 52
Xantholeuca 52
Phyllophila 51
Ozarba 51, 52
Amyma 51
Ilattia 51, 52
Berresa 51
Maliattha 51, 52
Hyperstrotia 52
Lithacodia 52
Micardia 22, 52
Eustrotia 52
Eulocastra 51, 52
Thalerastria 52
Naranga 51
Metaemene 52
Flammona 52
Nothosterrha 52
Erastria 52
Tarache 52
Hoplotarache 51, 52
Eutelia 53
Anuga 53
Mimanuga 53
Lophoptera 53
Nycteola 53
Sarrothripus 53
Characoma 53
Lamprothripa 53
Eligma Bd. 2, Taf. 13
Gadirtha 53
Blenina 53
Risola 53
Sinna 53
Gabala 53
Siglophora 53
Chionomera 53
Tyana 53
Earias 53
Hylophila 53
Hylophilina 53
Parhylophila 60
Cletrophora 53
Carea 52
Aiteta 52
Hepatica 52
Gelastocera 52
Churia 52
Kerala 52
Macrochthonia 52
Acontia 52
Mormonia 54, 63
Catocala 54—57, 63
Ephesia 56, 57, 63
Ulotrichopus 63
Eccrita 58
Entomogramma 58
Cocytodes 58
Agonista 58
Nyctipao 58, 59, 75
Patula 58
Metopta 58
Enmonodia 59, 60
Speiredonia 59, 60
Dermaleipa 60
Artena 60
Minucia 60, 63
Anua 60, 61
Pindara 61
Ophiusa 61, 63
Naxia 61
Grammodes 61
Calciope 61
Pelomia 61
Remigia 61
Cauninda 61, 63
Ercheia 61
Anisoneura 62
Hypoglaucitis 62, 63
Clytie 62, 63
Alamis 62
Pericyma 62
Cortyta 62, 63
Anydrophila 62
Cerocala 62
Leucanitis 62
Leucomelas 62
Gonospileia 62
Caloplusia 64
Autographa 64
Syngrapha 64
Phytometra 64, 75
Plusidia 65
Chrysoptera 65
Abrostola 65
Cosmophila 66
Rusicada 66
Scoliopteryx 52
Ophideres 66
Adris 66
Monas 66
Hulodes 66
Ericeia 66
Sypna 66, 67, 75
Polydesma 67
Pandesma 67
Belciana 67
Batracharta 67
Erygia 67
Capnodes 68, 70
Diomea 70
Apopestes 68
Autophila 68
Tathorhyncus 68
Dinumma 67
Toxocampa 68
Exophila 68
Chrysorithrum 68
Arcte 67
Catephia 67
Anophia 67
Aedia 67
Serrodes 68
Hypaetra 68
Lacera 68
Oxyodes 68
Ischyja 68
Platyja 68
Episparis 68
Chrysopera 68
Hamodes 68
Blasticorhinus 69
Azazia 69
Hypospila 69
Hypocala 69
Calpe 69, 70
Oraesia 69
Deva 70
Pasipeda 70
Calesia 70
Acantholipes 70
Loxioda 70
Dragana 70
Brevipecten 70
Scedopla 70
Anumeta 70
Aleucanitis 70
Armada 70, 74
Eremonoma 71
Metopistis 71
Marsipiophora 71
Imitator 74
Epharmottomena 71
Metoponrhis 74
Aëthia 71
Laspeyria 71, 74
Colobochyla 71, 74
Parascotia 71, 74
Epizeuxis 71, 74
Prothymia 71, 74
Raparna 71, 74
Hingula 71
Orectis 74
Paragona 71
Chara 71, 74
Rivula 71
Araeognatha 71, 74
Psimada 71
Avitta 74
Megazethes 71, 74
Zethes 71
Pangrapta 71, 74
Tamba 74
Lophomilia 71
Lophograpta 71, 74
Dierna 71
Talapa 74
Ectogonia 71, 74
Megaloctena 71, 74
Pseudaglossa 71, 74
Edessena 72
Cidariplura 71, 74
Simplicia 72
Nodaria 72
Zanclognatha 72, 74, 75
Herminia 12, 72
Pechipogo 72
Badiza 74
Bleptina 72, 74
Bertula 72
Hydrillodes 72
Dichromia 72
Rhynchina 72, 73, 75
Rhynchodontodes 73
Bomolocha 73, 75
Hypena 73, 75
Hypenodes 73
Schrankia 73
Aventiola 74

ACARISTIDAE.

a
b
c
d
e
f
g
h
i
k
coenobita ♂
coenobita ♀
ludifica
champa
viridis
pallida
minor
laevis
vivida
marmorea
malachitis
alpium ♂
alpium ♀
murrhina
coryli
mus
geographica ♂
geographica ♀
chamaesyces
contaminei
mixta
buettneri
dentinosa
nervosa
argentacea
splendida
albovenosa ♂
albovenosa ♀
centripuncta
simyrides ♂
simyrides ♀
infuscata
aceris ♂
aceris ♀
alni
steinerti
carola
carbonaria
catocaloida ♂
catocaloida ♀
centralis
cuspis
digna
fasciata
eleagni
gastridia ♂
gastridia ♀
hemileuca
jankowskii
intermedia
hercules

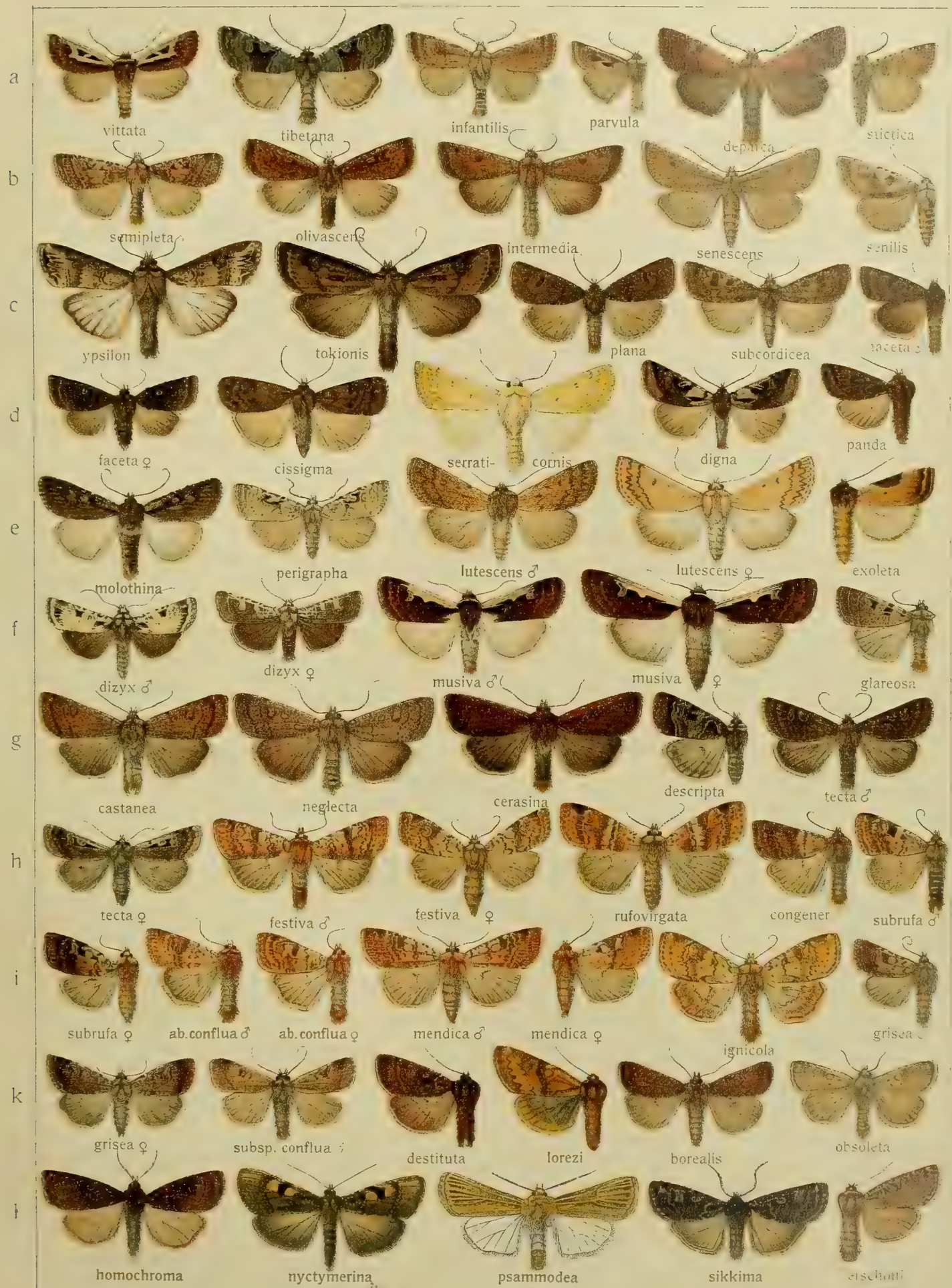
a
b
c
d
e
f
g
h
i
k
leporina ♂
leporina ♀
brady-
porina
lepo
rella ♂
leporella ♀
ligustri
nigra
major
megacephala
literata
Ac. obscura
An. obscura
orientalis
pontica ♂
pontica ♀
praeclara
pruinosa ♂
pruinosa ♀
psi
altaica
raphael
senica
strigosa
bryophiloides
adaucta
subornata
subviridis
tridens ♂
tridens ♀
auricoma
pepli
euphorbiae ♂
euphorbiae ♀
montivaga ♂
montivaga ♀
myricae
euphrasiae
esulae
lutea
consanguis
♂
menyanthidis
meny-
♀
anthidis
sulfusa
radiata
rumicis
rumicis
alnoides
caliginea
nitida

ereptricula
andalusiae
maeonis
chloromixta
confucii
microglossa
assimilis
rectilinea
pulverosa
sabulosa
commixta

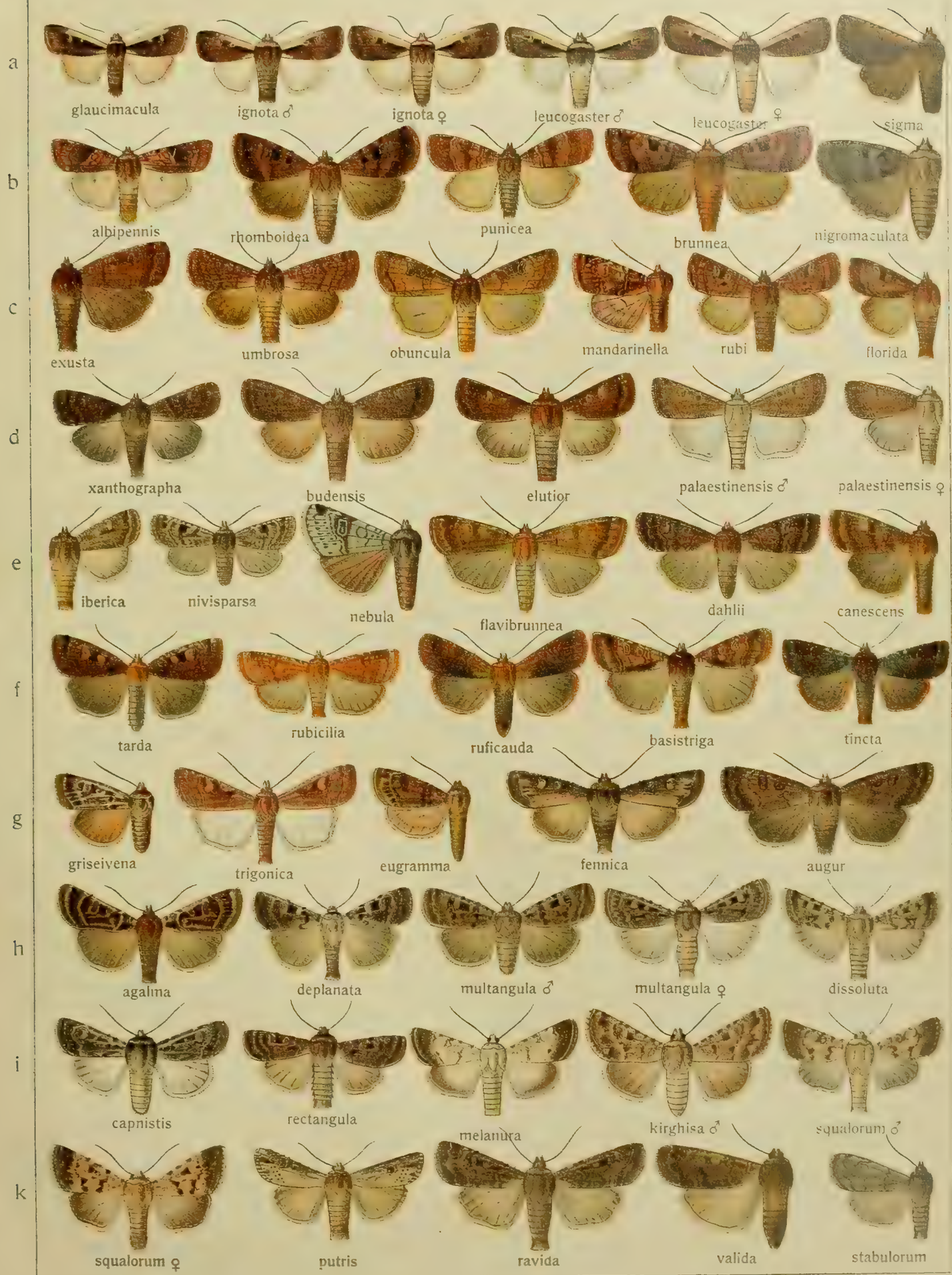
a
obesa
scytha
crassa
lata
b
polybela
golickei
brunnea
lasserrei ♂
lasserrei ♀
c
rugifrons
baetica
fatidica ♂
fatidica ♀
chretieni
d
segetis
subatratus
segetum ♂
segetum ♀
pallida ♂
e
pallida ♀
robusta
trifurcula
trifurca
f
corticea ♀
corticea ♂
obscura
proleuca
distinguenda
g
patula
endogaea
spinifera
cinerea
tephrina
h
livonica
christophi
hastifera
obelisca
obelisca
i
villiersi ♂
villiersi ♀
ruris
fictilis

carnonis
renitens ♂
renitens ♀
armena
[illegible]ensis
tissa
pallidifrons
adumbrata
cognita
emolliens
[illegible]inosa
cursoriodes
viguraea
clauda
birivia ♂
birivia ♀
decora
livida
cucuna
decorata ♂
decorata ♀
[illegible]monia
simplonia
culminicola
trux ♂
trux ♀
[illegible]
terranea
olivina
lunigera ♂
lunigera ♀
grisescens ♂
grisescens ♀
poliograinma
cursoria ♂
cursoria ♀
nigricans
enixa
intolerabilis
conspicua
abscondita
hilaris
nyctopis
cos
oripara
nigrita
recussa
tritici
aquilina
eruta

a
b
c
d
e
f
g
h
i
k
mustelina
centralis
sabuletorum
sabuletorum
squalida
basigramma ♂
basigramma ♀
vitta
islandica
rossica
lidia
oberthüri
intracta
xanthiodes
informis
exclamationis
exclamationis
duosigna
serena ♂
serena ♀
decussa
marcida
verecunda
ignara
amoena
peperita
opisoleuca
forcipula
nigrescens
exacta
turbans
improcera
signifera
orientis
celsicola ♂
celsicola ♀
improba
spissilinea
multicuspis
issykula ♂
issykula ♀
graslini
messaouda
vestigialis ♂
vestigialis ♀
subrosea
subcaerulea
velata
hyperborea
coraxa
pygmaea


a
b
c
d
e
f
g
h
i
k
l
vittata
tibetana
infantilis
parvula
suictica
semipleta
olivascens
intermedia
senescens
senilis
ypsilon
tokionis
plana
subcordicea
faceta ♀
cissigma
serrati-cornis
digna
panda
molothina
perigrapha
lutescens ♂
lutescens ♀
exoleta
dizyx ♂
dizyx ♀
musiva ♂
musiva ♀
glareosa
castanea
neglecta
cerasina
descripta
tecta ♂
tecta ♀
festiva ♂
festiva ♀
rufovirgata
congener
subrufa ♂
subrufa ♀
ab. conflua ♂
ab. conflua ♀
mendica ♂
mendica ♀
ignicola
grisea ♀
subsp. conflua
destituta
lorezi
borealis
obsoleta
homochroma
nyctymerina
psammodea
sikkima

a
militaris
fidelis
porphyrea ♂
porphyrea ♀
ripae
b
deser- torum ♂
deser- torum ♀
weissen- borni ♂
weissen- borni ♀
desillii ♂
c
desillii ♀
farinosa
subsequa
consequa
adsequa
d
adsequa
prosequa
orbona ♀
rufescens
curtisii
e
fumida
pronuba ♂
pronuba ♀
connuba
f
innuba
stentzi ♂
stentzi ♀
triangularis
refulgens
g
musivula
c. nigrum
degenerata ♂
degenerata ♀
flammatra
h
stupenda
mandarina
vidua
consanguinea
costaestriga
i
kollari
triangulum
ditrapezium
depuncta
k
subpurpurea
baja
bajula
plecta
unimacula

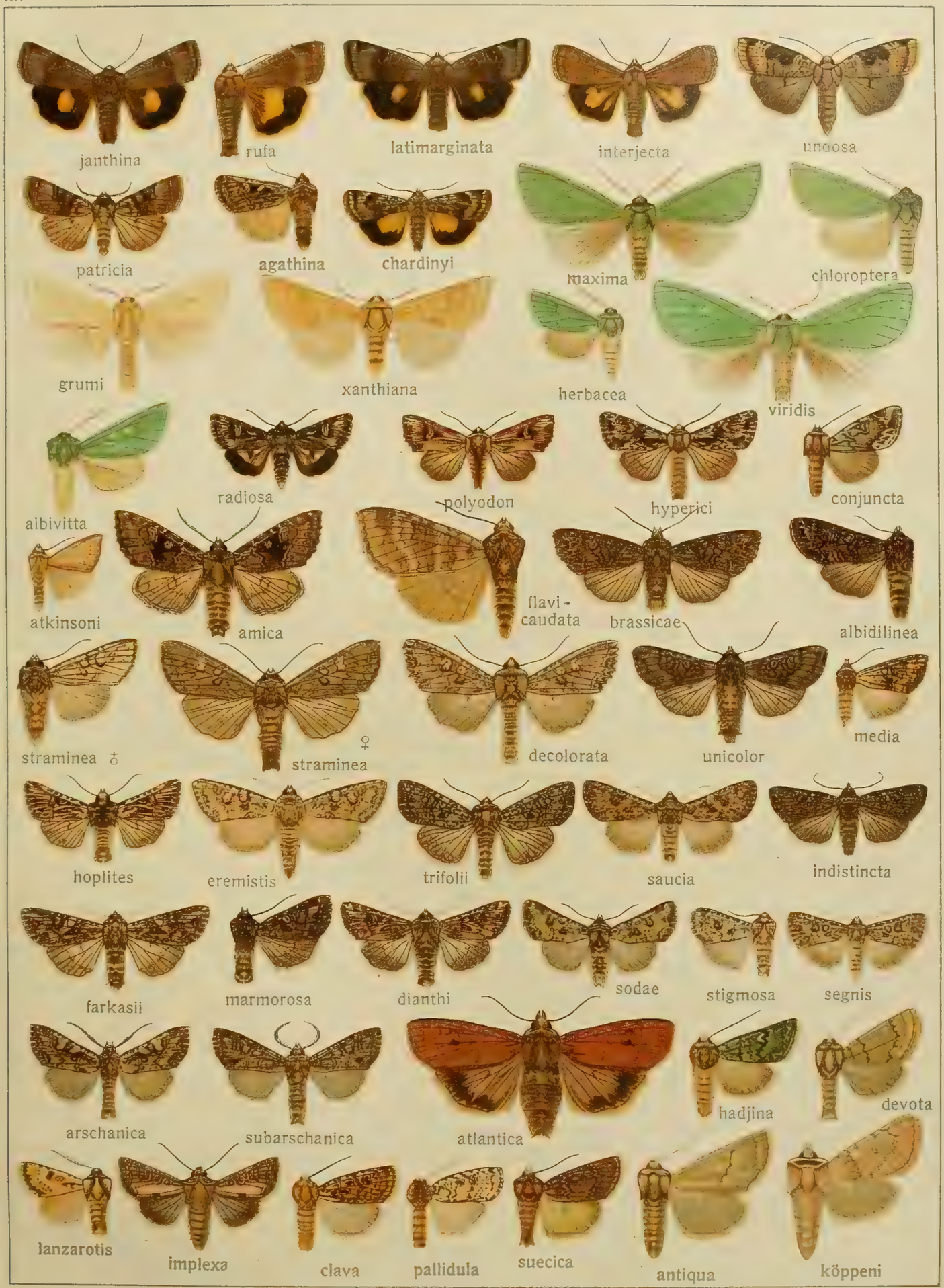

a
glaucimacula
ignota ♂
ignota ♀
leucogaster ♂
leucogaster ♀
sigma
b
albipennis
rhomboidea
punicea
brunnea
nigromaculata
c
exusta
umbrosa
obuncula
mandarinella
rubi
florida
d
xanthographa
budensis
elutior
palaestinensis ♂
palaestinensis ♀
e
iberica
nivisparsa
nebula
flavibrunnea
dahlii
canescens
f
tarda
rubicilia
ruficauda
basistriga
tincta
g
griseivena
trigonica
eugramma
fennica
augur
h
agalma
deplanata
multangula ♂
multangula ♀
dissoluta
i
capnistis
rectangula
melanura
kirghisa ♂
squalorum ♂
k
squalorum ♀
putris
ravida
valida
stabulorum

a
senna
anachoreta ♂
anachoreta ♀
luperinoides
stridula
cuprea
b
westermanni
scaramangae ♂
scaramangae ♀
musculus
juldussi
c
modesta
isochroma
violetta
alaina
junonia
d
straminea
suavis
lucernea ♂
lucernea ♀
asella
e
helvetina
lucipeta ♂
lucipeta ♀
subplumbea
f
diplogramma
simulans
latens
ashworthi
lucens
g
deplorata
candelarum
occulta
squalida
h
ignobilis
implicata
saucia
ochreocosta
i
denticulata
nigrocosta
eminens
elegans
erythrina
k
tamerlana
chaldaica
spodia
ocellina
alpestris

a
sabulosa
hemisphaerica
acuminifera
tibetana
humigena
submolesta
b
puta
coturnicola
tenuis
ochrina
collina
melancholica
c
romanovi
flavina
cuprina
bonza
andereggii
juvenis
d
glarivena
glis
aucta
ononensis
unctus
lasciva
e
simulatrix
quadrangula
laetifica
ledereri
pieretti
trifida
f
characteristica
homicida
constanti
nili
difficilis
eremicola
g
singularis
glaucescens
aequicuspis
honesta
herrich-schäfferi
exprimata
h
petersi
junctimacula
sareptana
maerens
sibirica
i
plumbea
larixia
funkei
hahni
truculenta
gaurax
peculiaris.

a
toxistigma
degeniata
defuncta
candelisequa ♂
candelisequa ♀
b
sordescens
margaritacea
insignata
pulverea
valesiaca ♂
c
valesiaca ♀
poecila
fugax
photophila
d
sollers
obscurior
candida
ornata
electra
e
caradrinoides
renigera ♂
renigera ♀
funebris
intermedia
f
pudica
umbrifera
fimbriola ♂
fimbriola ♀
raddei
g
brunnescens
praecurrens
praecox
obesa
polygona
h
cecilia
consignata
lunata
argillacea
lineata
albistigma
i
xestioides
ochreago
miniago
fuscisignata
speciosa
k
brunneago
obscura
arctica
sincera
laetabilis
albuncula

a
gelida
prasina ♂
prasina ♀
virens
b
coelebs
leucographa
pallescens
rubricosa
rufa
c
sobrina
coryphaea
caecimacula ♂
caecimacula ♀
d
sibirica
senex ♂
senex ♀
mediorhenana ♂
e
mediorhenana ♀
indiana ♂
indiana ♀
oxalina
f
acetosellae ♂
acetosellae ♀
dilatata
fuscostigma
g
typica ♂
typica ♀
contaminata
linogrisea
h
accipiter
efflorescens
semiherbida
brunnea-virescens
i
fimbria
rufa
solani


a
janthina
rufa
latimarginata
interjecta
undosa
b
patricia
agathina
chardinyi
maxima
chloroptera
c
grumi
xanthiana
herbacea
viridis
d
albivitta
radiosa
polyodon
hyperici
conjuncta
e
atkinsoni
amica
flavi-caudata
brassicae
albidilinea
f
straminea ♂
straminea ♀
decolorata
unicolor
media
g
hoplites
eremistis
trifolii
saucia
indistincta
h
farkasii
marmorosa
dianthi
sodae
stigmosa
segnis
i
arschanica
subarschanica
atlantica
hadjina
devota
k
lanzarotis
implexa
clava
pallidula
suecica
antiqua
köppeni

a
proxima
cana
ochrostigma
orientalis
literata ♂
literata ♀
b
suffusa
luteago ♂
luteago ♀
brunneago ♂
brunneago ♀
argillacea ♀
c
argillacea ♂
argillacea
argillacea
serratilinea ♂
serratilinea ♀
peregrina
d
contigua ♂
contigua ♀
subcontigua
genistae ♂
genistae ♀
e
thalassina ♂
thalassina ♀
achates
humeralis
nigrifusa
f
altaica
dissimilis ♂
dissimilis ♀
suasa ♂
suasa ♀
g
laeta
w-latinum
confluens
aliena ♂
aliena ♀
h
ptochica
consanguis ♂
consanguis ♀
mortua
persicariae ♂
i
persicariae ♀
accipitrina
furcula
perdentata

a
illoba ♂
illoba ♀
splendens
pacifica
ochracea
b
rufa
obscura
variegata
pisi ♂
pisi ♀
rufa
c
splendens
pallens
satanella ♂
satanella ♀
nana
leucostigma
d
ochrea
latenai ♂
latenai ♀
glauca ♂
glauca ♀
aperta
e
mista
calberiai
cappa
corsica ♂
corsica ♀
f
serena
leuconota
obscura ♂
obscura ♀
dysodea ♂
dysodea ♀
g
caduca
innocens ♂
innocens ♀
subflava
mediana
rivularis ♂
rivularis ♀
h
mandarina ♂
mandarina ♀
bicruris ♂
bicruris ♀
fuligata ♂
fuligata ♀
i
lepida ♂
lepida ♀
ochracea ♂
ochracea ♀
pallida ♂
pallida ♀
pallida

a
obliterata
treitschkei
armata
isoloma
potanini
bilinea
b
tenebra
pusilla
spalax
praedita
eversmanni
schneideri
furca
c
suavis
vidua
declinans
softa
maderae
confusa
d
fasciata
bohemanni
brunnea ♂
brunnea ♀
capsophila ♂
capsophila ♀
e
suffusa ♂
suffusa ♀
lypra
magnolii ♂
magnolii ♀
consparcata ♂
consparcata ♀
f
filigramma
xanthocyanea ♀
luteocincta
ignicola
intensa
tephroleuca ♂
g
tephroleuca ♀
pumila
albimacula ♂
albimacula ♀
nana ♂
nana ♀
suffusa
h
ochrea
compta ♂
compta ♀
armeriae
caesia ♂
caesia ♀
i
manani
nigrescens ♂
nigrescens ♀
eximia ♂
eximia ♀
k
galaxia ♂
galaxia ♀
dolorosa
capensis ♂
capensis ♀
fuliginosa
staudingeri

a
advena ♂
advena ♀
nitens ♂
nitens ♀
unicolor ♂
b
mongolica ♂
mongolica ♀
adjuncta ♂
adjuncta ♀
c
tincta ♂
tincta ♀
hepatica
nebulosa ♂
d
nebulosa ♀
bimaculosa ♂
bimaculosa ♀
goliath
e
conspicua
calabrica ♂
calabrica ♀
fulminea ♂
f
fulminea ♀
vestigialis
bombycina ♂
bombycina ♀
grisescens
g
dissectus
recticulata ♂
recticulata ♀
texturata
siccanorum
h
popularis ♂
popularis ♀
hilaris
cespitis ♂
cespitis ♀

a
pyrenaica
scotochlora
distincta ♂
distincta ♀
fissilis ♂
b
fissilis ♀
megastigma ♀
megastigma ♂
ochrea
icterias
c
repetita
silenides
picturata
aberrans
mendax
mendica
d
renati
silenes
christophi
atalantica
sociabilis
demotica
e
grisea
decreta
montana
elwesi
persa
bryoptera
skraelingia
f
altaica
turpis
optima
insolita
impia
incommoda
g
violascens
musculina
infans
saxea
castaneipennis
ferrosticta
stenoptera
h
pancratii ♂
pancratii ♀
encausta ♂
encausta ♀
graminis ♂
graminis ♀
i
rufocosta ♂
rufocosta ♀
hibernicus
gramineus ♂
gramineus ♀
megala

a
leineri
furcata
pomerana
irregularis
nisus
b
irrisor ♂
irrisor ♀
albicolon ♂
albicolon ♀
cinerascens ♂
c
cinerascens ♀
dovrensis
deliciosa
meraca
lurida
laetior
d
odiosa
simplex
xena
korghossi
tancrei
e
praecipua
longicornis
sabulorum
unica
f
plagiata ♂
plagiata ♀
cavernosa
asiatica
g
imbecilla ♂
imbecilla ♀
impar
conspicillaris
melaleuca ♂
melaleuca ♀
h
intermedia
bella ♂
bella ♀
circumducta ♂
circumducta ♀
i
i-cinctum ♂
i-cinctum ♀
carnipennis ♂
carnipennis ♀

a
biconifer ♂
biconifer ♀
rufa
hirsuta
b
gothica
gothicina ♂
gothicina ♀
pallida
rufescens ♂
rufescens ♀
hirsuta
c
munda ♂
munda ♀
pallida
inumacul ta
grisea
rufa
d
lizetta ♂
lizetta ♀
pallescens
populi ♂
populi ♀
miniosa ♀
e
miniosa ♂
rubricosa
pallida
stabilis ♂
stabilis ♀
pallida ♂
f
pallida ♀
rufa
junctus
rufannulatus
japonica ♂
japonica ♀
g
pulverulentus ♂
pulverulentus ♀
pusillus ♂
pusillus ♀
rufa ♂
rufa ♀
h
fausta ♂
odiosa ♂
odiosa ♀
incerta ♂
incerta ♀
pallida
i
subsetaceus
subcarnea
contracta
fuscatus ♂
fuscatus ♀
olivacea ♂
olivacea ♀
k
opima ♂
opima ♀
paromoea ♂
paromoea ♀
gracilis ♂
gracilis ♀
pallida
l
rosea ♂
rosea ♀
rufescens
ella
auraria ♂
auraria ♀

a
turca ♂
turca ♀
limbata
grandis ♂
grandis ♀
b
divergens ♂
divergens ♀
curvata ♂
curvata ♀
c
lithargyria ♂
lithargyria ♀
ferrago ♂
ferrago ♀
grisea
argyritis
d
albipuncta ♂
albipuncta ♀
italogallica
flecki
ochrea ♂
ochrea ♀
e
expallidata
congrua ♂
congrua ♀
subsignata ♂
subsignata ♀
loreyi ♂
f
loreyi ♀
l-album
riparia ♂
riparia ♀
albicosta ♂
albicosta ♀
singularis ♂
g
singularis ♀
inornata
littoralis ♂
littoralis ♀
conigera ♂
conigera ♀
h
angulifera
albicosta
inanis
rufipennis ♂
rufipennis ♀
i
vitellina ♂
vitellina ♀
pallida ♂
pallida ♀
evidens ♂
evidens ♀
k
brunnea ♂
brunnea ♀
nigrilinea
salebrosa
velutina

a
fuliginosa
obscura
pryeri
simplex
proxima
flavostigma
b
postica
sinuosa
phlebitis
alopecuri
herrichii
dactylitds
kl.aiilidja
c
jordana
opaca
mesotrosta
stellata
venalba
sesamiodes
codeti
d
ramosa ♂
ramosa ♀
oliva
olivina
felicina ♂
felicina ♀
e
omar
felix
chabordis ♂
chabordis ♀
albicans
baetica ♂
baetica ♀
f
jubata
pectinicornis
opposita
vaulogeri
diffluens
yvanii ♂
yvanii ♀
marocana
g
warionis
anarrhini
aurita
antirrhini
serrata
serratula
kraussi
h
aurago ♂
aurago ♀
rutilago ♂
rutilago ♀
marmorata ♂
marmorata ♀
i
fucata ♂
fucata ♀
siphuncula
lutea ♂
lutea ♀
fulvago ♂
k
fulvago ♀
togata
flavescens ♂
flavescens ♀
cerago
tunicata

a
comma ♂
comma ♀
suffusa
ochracea
lineatipes
perrufa
deserticola
b
insecuta ♂
insecuta ♀
andereggii ♂
andereggii ♀
cinis
engadensis ♂
c
engadensis ♀
lineata
sicula ♂
sicula ♀
cyperi
punctosa ♂
punctosa ♀
d
putrescens ♂
putrescens ♀
zeae ♂
zeae ♀
indistincta
putrida
e
scirpi ♂
scirpi ♀
uni- ♂ puncta
unipuncta ♀
placida ♂
placida ♀
f
radiata
fasciata
ferrilinea ♀
ferrilinea ♂
impura ♂
impura ♀
fuscipennis
g
alboradiosa ♂
alboradiosa ♀
pauper ♂
pauper ♀
straminea ♂
straminea ♀
pallens ♂
h
pallens ♀
ectypa ♂
ectypa ♀
melania ♂
melania ♀
obsoleta ♂
i
obsoleta ♀
nigrostriata
pudorina ♂
pudorina ♀
impudens
languida
k
flammea ♂
flammea ♀
favicolor ♂
favicolor ♀
fusco-rosea ♂
fusco-rosea ♀

a
b
c
d
e
f
g
h
magnifica
jankowskii
argentea
subcaerulea
achatina
argentina
spectabilis
mandschuriae
fraudatrix
graeseri
mixta
cineracea
defecta
artemisiae
lindei
generosa
♂
embolima
♀
embolima
umbristriga
duplicata
santonici
odorata
alpherakyi
formosa ♂
formosa ♀
hemidiaphana
retecta
perforata
absynthii
umbratica ♂
umbratica ♀
distinguenda
clarior ♂
clarior ♀
virgaureae
chamomillae
chrysanthemi ♂
chrysanthemi ♀
calendulae
boryphora
tanaceti ♂

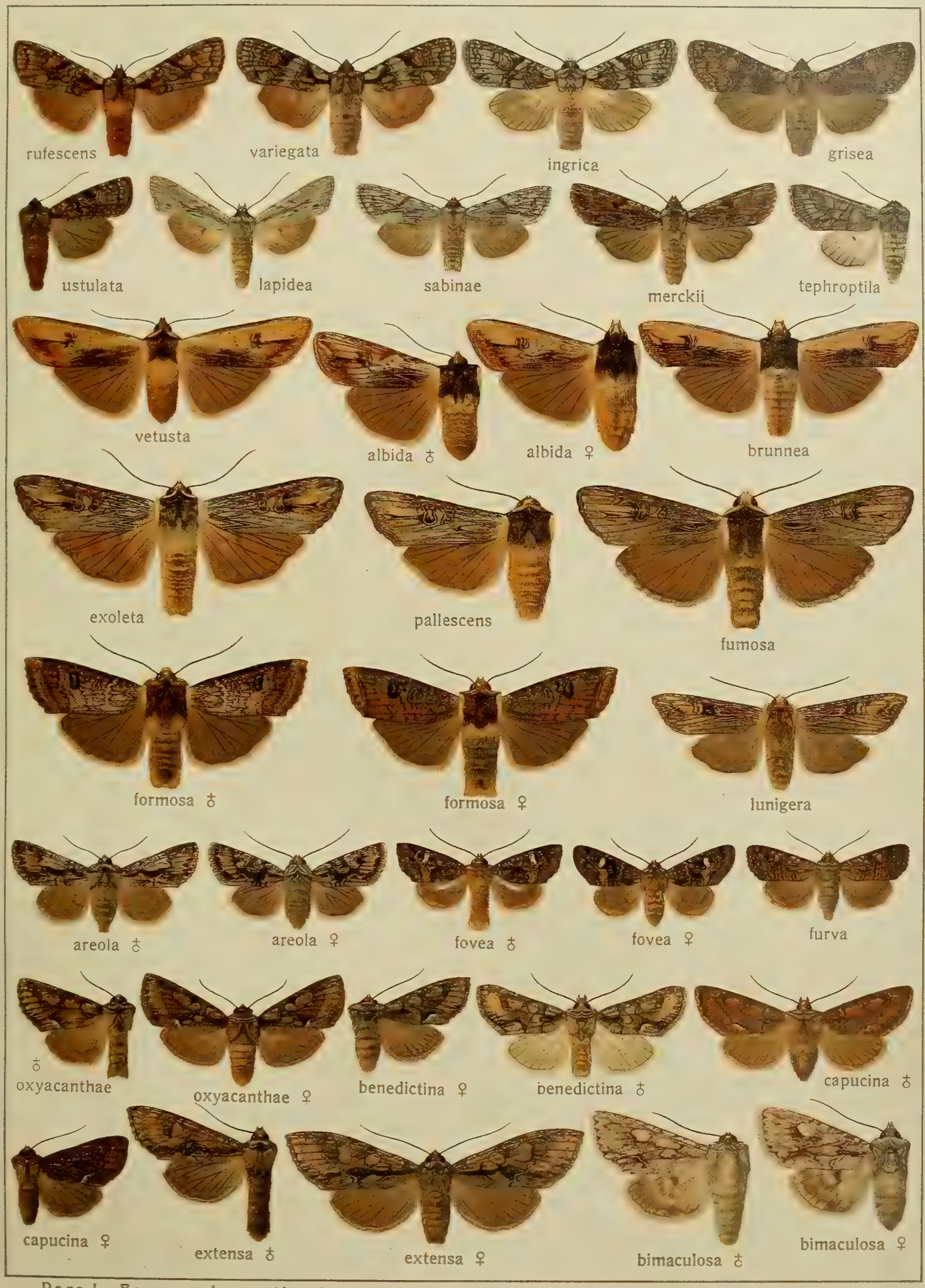
a
tanaceti ♀
albidior ♂
albidior ♀
lactucae ♂
lactucae ♀
b
dracunculi
anthemidis
pullata
tecca
c
santolinae
inderiensis
praecana
campanulae ♂
campanulae ♀
d
lucifuga ♂
lucifuga ♀
grisescens
celsiae
xeranthemi
e
gnaphalii
asteris ♂
asteris ♀
ledereri
stigmatophora
f
scrophulariphila
scrophulariphaga
blattariae ♂
blattariae ♀
thapsiphaga ♂
g
thapsiphaga ♀
anceps
lychnitis ♂
lychnitis ♀
verbasci ♂
h
verbasci ♀
scrophulariae ♂
scrophulariae ♀
biornata ♂
i
prenanthis
balsamitae ♂
balsamitae ♂
lactea
biornata ♀

a
maculosa
propinqua
achilleae
maracandica
fraterna
elongata
b
millieri
sabulosa
canteneri
delicata
pauli
almoravida
fallax
c
orana
scillae
platyptera
superba
exacta
nigricula
antherici
d
albolineata
gerbillus
fani
iris
mioleuca
sommeri
e
ragusae
brachyptera
cortex
anachoretoides
daishi
cypreago
f
vulpecula
pagodae
nigrescens
variegata
xerampelina
unicolor
rufa
g
ambusta ♂
ambusta ♀
gilvago ♂
gilvago ♀
suffusa
griseosignata ♂
griseosignata ♀
h
cinnamomeago
erythrago ♂
erythrago ♀
ocellaris ♂
ocellaris ♀
palleago
lineago ♀
i
lineago ♂
carneago
sulphurago
aurantiago ♂
aurantiago ♀
incolorata
ledereri
k
approximata
melonina
edentata
divergens ♂
divergens ♀
acuminata ♂
acuminata ♀

a
b
c
d
e
f
g
h
i
k
syrtana
naruenensis
sublutea
fuchsiana ♂
fuchsiana
splendida
anatolica
acuta
lunula ♂
lunula ♀
hamifera
platyptera ♂
platyptera ♀
olbiena
subalbida
freyeri
casta ♂
casta ♀
odilia
hispanica ♂
hispanica ♀
leucocera
hirta
campicola
confusa
rufescens
strioligera
sareptana
trimacula
hispana ♂
hispana ♀
dentimacula ♂
dentimacula ♀
glaucina
tersa
unicolor
lederi ♂
lederi ♀
amasina
scoriacea ♂
scoriacea ♀
korsakovi
sphinx ♂
sphinx ♀
syriaca
nubeculosa ♂
nubeculosa ♀
perfumosa ♂
perfumosa ♀
templi ♂
templi ♀
alpina
ferdinandi
viminalis ♂
viminalis ♀
saliceti ♂
saliceti ♀
stricta
rufescens
obscura ♂
obscura ♀

Bombycia-Lithophane.

Lithophane-Meganephria.



a
funesta
celsia
jankowskii
lichenaea
viridicincta
b
muscosa
tenerifica
melanodonta ♂
melanodonta ♀
satura
c
adjuncta
adusta ♂
adusta ♀
vultarina
solieri ♂
d
solieri ♀
grisescens
baltica ♂
baltica ♀
lama
aprilina
e
aeruginea ♂
convergens ♂
mioleuca
aeruginea ♀
convergens ♀
f
pryeri ♂
pryeri ♀
viridana ♂
viridana ♀
gemmea ♂
gemmea ♀
g
niphopasta
viridula
munda
accipitrina
monochroma
suberis ♂
h
suberis ♀
suberis ♀
concinna
roboris ♂
roboris ♀
protea ♂
i
protea ♀
variegata ♂
variegata ♀
grisea ♂
grisea ♀
incolorata

Dryobotodes-Antitype.

a
chi ♀
olivacea ♂
olivacea ♀
langei ♂
langei ♀
flammea ♂
b
flammea ♀
jodea ♂
jodea ♀
remota
poliorhiza
c
mongolica
paucinotata ♂
paucinotata ♀
curva ♂
curva ♀
d
johanna
centralasiae ♂
centralasiae ♀
transversa
extrita
chamaeleon ♂
e
chamaeleon ♀
tenuicornis
virescens ♂
virescens ♀
carducha ♂
carducha ♀
f
amicina
grumi ♂
grumi ♀
costalis
paspa ♂
paspa ♀
g
dianthoecina
conspicua
fulminea
junctura
endroma
inornata
cuprea
h
hampsoni ♂
hampsoni ♀
dentata ♂
dentata ♀
albiluna
cuprescens
i
sikkimensis
herchatra
juditha
bacheri
haeretica
eristicum

a
tibetanum ♂
tibetanum ♀
polianus
anartinus
hirsutula
simplex ♀
b
simplex ♂
hirsuta
rasilis
glebicolor ♂
glebicolor ♀
c
submarginata
satellitia ♂
satellitia ♀
brunnea ♂
brunnea ♀
d
albipuncta ♂
albipuncta ♀
tripunctata
quadrilinea
strigifera
contracta ♂
e
contracta ♀
fragariae ♂
fragariae ♀
pallidior ♀
f
pallidior ♂
croceago
fulvago
corsica
sericea
evelina
g
castaneofasciata ♂
castaneofasciata ♀
eriophora
erythrocephala
glabra
impunctata
h
pallida
v-punctatum ♂
v-punctatum ♀
gallica
acutula
politina
veronicae
i
conspicua
ardescens
unimacula ♂
unimacula ♀
pallidistigma

a
nigrolituratа
uniformis
albipuncta
vaccinii ♂
vaccinii ♀
mixta
b
glabroides ♂
glabroides ♀
spadicea ♂
spadicea ♀
spadicea ♂
spadicea ♀
signata ♂
c
signata ♀
rufa
suffusa
ligula ♂
ligula ♀
polita ♂
polita ♀
d
subspadicea ♂
subspadicea ♀
canilinea ♂
canilinea ♀
canescens
turcur
torrida ♂
e
torrida ♀
rubiginea ♂
rubiginea ♀
tigerina
completa
staudingeri ♂
f
staudingeri ♀
staudingeri ♂
staudingeri ♀
scortina ♂
scortina ♀
unicolor
multiscripta
g
uniformis ♂
uniformis ♀
livina ♂
livina ♀
daubei
pallida
innotata
h
submarginata
lunosa
humilis
subjecta
agrotoides
brunnea
i
ruticilla
grisea
castanea
witzenmanni
subcastanea ♂
subcastanea ♀
k
rupicapra ♂
rupicapra ♀
humilis
lychnidis ♂
lychnidis ♀

AMATHES

a
pistacina ♂
pistacina ♀
rubetra
ferrea
obsoleta ♂
obsoleta
b
serina ♂
serina ♀
serina ♂
serina ♀
canaria ♂
canaria ♀
coerulescens ♂
coerulescens ♀
c
kindermanni ♂
kindermanni ♀
scabra
pauli ♂
pauli ♀
fuscoliva ♂
d
fuscoliva ♀
laevis ♂
laevis ♀
haematidea
lota ♂
lota ♀
rufa
e
subdita ♂
subdita ♀
macilenta ♂
macilenta ♀
circellaris
ferruginea
f
(ab.) macilenta ♀
fusconervosa
catenata
ochrea
unicolor
helvola
g
sibirica
pallescens ♂
pallescens ♀
litura ♂
litura ♀
polluta
h
ornatrix ♂
ornatrix ♀
rufa
luteogrisea
gratiosa
lucida ♂
lucida ♀
i
obscurata ♂
obscurata ♀
garibaldina
deleta ♂
deleta ♀
decolorata
k
brunnea
mansueta
pontica ♂
pontica ♀
iners
suspecta

a
b
c
d
e
f
g
h
lignosa
cinnamomea
effusa
pyramidea
albisquama
variegata
monolitha ♂
monolitha ♀
strigata
obscura
livida
restricta
cupreata
infuscata
corvina
tripartita
jankowskii
erebina
perflua
tetra
pallida
tragopoginis
turcomana
stix
schrenckii
subrigua
micans
alpherakii
cancellata
umbratica ♂
umbratica ♀
obscura ♂
obscura ♀
phaeus
ferruginea
scabriuscula
caliginosa
japonica
sera
purpurata
carneata
plumbinotata
lilacina ♂
lilacina ♀
obscurata
grisea

plana ♂
plana ♀
canimaculata
semigrisea
plenifasciata
suffusa
maura
striata
muscivirens
venata
molybdea
sergei
lithoxylea
sublustris
sicula
sardoa
corsica
perstriata
chinensis
hepatica
characterea
epomidion
sodalis
rurea
ochrea
intermedia
putris
combusta
alopecurus ♂
alopecurus ♀
nigrorubida
extincta
uniformis
funerea
oriens
brunneata
veterina
monoglypha
pallida
intacta
obscura
infuscata
brunnea
aethiops
submarginata
boopis
sordida
purpurina
lateritia ♂
lateritia ♀
expallescens
derufata ♂
derufata ♀

festiva
fervida
anceps
ochracea
mediana
simplic
blanda
oblonga
lunulina
fibulus
incer
jankowskii
myrti
leucodon
concolorata
obscura
unanimis
secalina
rubiginea
fasciata
semiochrea
pabulatricula
ribbei
crabr
remissa
submissa
basistriga
unicolor
cinerascens
intermixta
aureopuncta
hammaniensis
subbrunnea
askoldis
repetita
conjuncta
cuneata
brunnea
fasciata
lunger
grisea
reticulata
nictitans
leucostigma
pulverosa
lilacina
moderata
struvei
praeduncula
latruncula
aerata
fasciata
suffumata
virgata
aethiops
aethiops
intermedia
unicolor
ferrea
fasciuncula
fasciuncula
literosa
subarcta
subroseata
bicolaria
furuncula
rufuncula
rufuncula
terminalis
brunneo-
reticulata
reticulata
longestriata
pallidior

vinctuncula
unicolor
fraudulenta
arcta ♂
arcta ♀
arctides
vulnerata
khasiana
captiuncula
expolita
haworthi
erupta
inberata
angusta
nitens
muscosa
vulgaris
sordida
pseudodyops ♂
pseudodyops ♀
variegata ♂
variegata ♀
platinea
ferrea
mutica
judaica
perflua
curoi
rivalis
marginata
transversata
furva ♀
freyeri
maillardi ♂
maillardi ♀
maillardi
exulis
rubrirena
spilogramma
depravata ♂
speciosa
subornata
standfussi
fissipuncta
corticea ♀
orenburghensis
conjuncta ♂
conjuncta ♀
amoenus
zelleri
puengeleri
alpigena
mandschurica
versicolor
scripturosa
discrepans
jordana
laciniosa
sergia
idumaea
schlumbergeri

turcomanica
montana
bischoffi
lutulis
pallidimargo
gnorima
detersina
petersenic
rectilinea
turanica
subtilis ♂
grata
correpta
abyssinia ♂
abyssinia ♀
pecten ♂
pecten ♀
mauritia ♂
mauritia ♀
delecta
atriluna ♂
placata
divisa ♀
furvula ♂
tristior
alsines ♂
alsines ♀
levis
blanda
centralasiae ♂
centralasiae ♀
ambigua ♂
ambigua ♀
superstes ♀
respersa ♂
robusta
pulmonaris
subsericata
subpulchra
albomacula
albidisca
armata
pugnax

a
b
c
d
e
f
g
h
i
k
presbytis
chenopodiphaga
siri
commoda
minuta
roseonitens
crassipuncta
halimi
minutata
arvicola
contumax
cinerea
dumerili
rubella
ferrago ♂
ferrago ♀
obsoleta ♀
terrago
subaquila
atriplicis
gnoma
auriplena ♂
auriplena ♀
lucia ♀
melanospila
melanospila ♀
microspila ♂
microspila ♀
tokionis ♂
tokionis ♀
stoliczkae
lucipara ♂
lucipara ♀
algovittata
illustriata
intensiva
semifascia ♂
semifascia ♀
laetevirens ♀
laetevirens ♂
bella
obfuscata

EUPLEXIA - CHYTONIX

ATHETIS - PROSPALTA

a
b
c
d
e
f
g
h
i
k
japonica
dolia
leucostigma
lunina
albipuncta
laevis
butleri
nictitans ♂
nictitans ♀
obscura
pallescens ♂
pallescens ♀
paludis ♂
paludis ♀
ochreola
distincta
flavago
suffusa
puengeleri
cervago
osseola
hucheradi
petasitis
amurensis
micacea
grisea ♂
grisea ♀
brunnea
intacta
moesiaca
leucographa ♂
leucographa ♀
flavidior
umbrosa ♂
umbrosa ♀
perlucida
xanthenes
fortis ♂
fortis ♀
basalipunctata
zelotypa
umbra
marginata
purpurina
victorina ♀
victorina ♂
prozanoffzkyi ♂
prozanoffzkyi ♀
treitschkei
retusa
subtusa ♂
contusa ♂
contusa ♀
trigrammica
evidens
bilinea
perrufa
obscura
semifuscans
lineosa ♂
lineosa ♀
truncipennis ♂
truncipennis ♀
cinerascens
albisignata
coeca ♂
coeca ♀

Pars I. Fauna palaearctica 3.

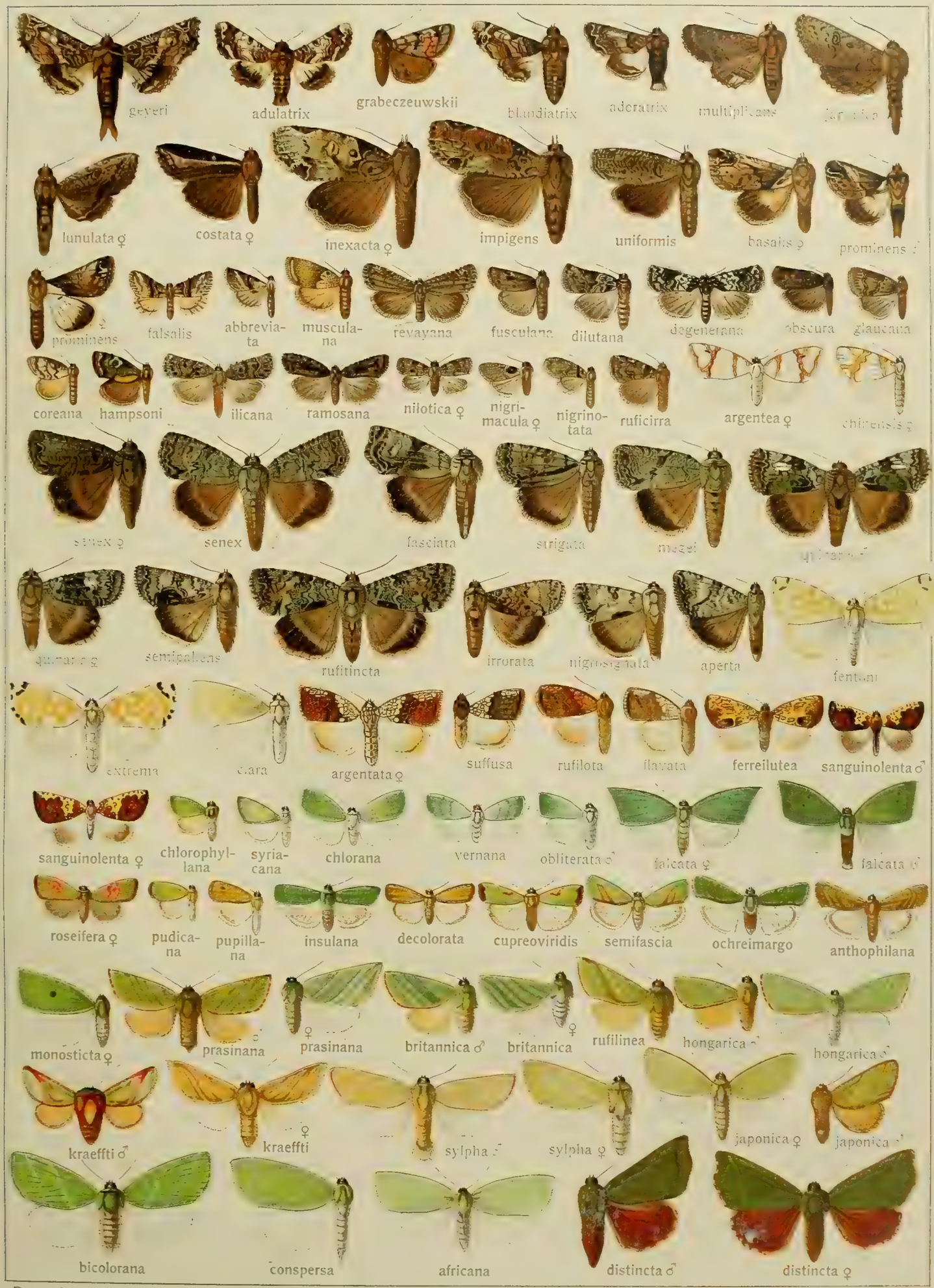
a
transversa
exigua ♂
exigua ♀
exigua ♀
conspicua
menetriesi
hispanica
regina
b
pertinax
conciliata
trilinea
attenuata
segregata
hypenides
fulgurita ♂
fulgurita ♀
c
indigesta
selecta
armeniaca
megastigma
agrotina
apertura
ingrata
d
malana
fixseni
flavicollis
arida
pretiosa
cinerea
hospes
ottonis
ladakensis
e
lineola ♂
lineola ♀
pallescens
stigmatica
maritima ♂
maritima ♀
ulvae
bipunctata
f
musculosa ♂
musculosa ♀
myodea
succinea
vuteria ♂
vuteria ♀
inferens
g
cretica ♂
cretica ♀
gracilis
virens
immaculata
thalassina
rufata
h
sigillata
biplaga
rejecta ♂
rejecta ♀
albonitens
nigrilinea
cilia
nervosa
atrata
i
laudeti ♂
laudeti ♀
fixa ♂
fixa ♀
exsiccata ♂
exsiccata ♀
eximia
gloriosa
k
liturata
kashmiriensis
ochracea ♂
ochracea ♀
vespertalis ♂
vespertalis ♀
transversa
pallida
nubila
subflava ♂
l
subflava ♀
koeckeritziana
agatha
chalcoëla ♂
chalcoëla ♀
flava
secunda
minor
picta

a
fasciata
imbuta
rufula
nexa
typhae ♂
typhae ♀
b
fraterna
turpis
lutosa ♂
lutosa ♀
crassicornis ♂
crassicornis ♀
c
rufescens ♀
rufescens ♂
griseata
pallidipennis ♂
pallidipennis ♀
d
elymi ♂
elymi ♀
procera
brevilinea
sinelinea
phragmitidis
rufescens
e
pallida
olivescens
impudica
mollicella
sohn-reteli
deserticoia
modesta
mabillei
f
fluxa ♂
pulverosa
pygmina ♂
pygmina ♀
fulva
ochracea ♂
ochracea ♀
punicea
pallida ♂
g
pallida ♀
extrema ♂
extrema ♀
morrisii ♂
morrisii ♀
geminipuncta
nigricans
obsoleta
h
unipuncta
resoluta
dissoluta
arundineta
i
phragmatidicola
sparganii
obsoleta
bipunctata ♂
bipunctata ♀
k
algae ♂
algae ♀
fumata
liturata
insoluta
cervina

picteti
triphaenopsis
quieta
amphora
cashmirensis
flora
orbiculosa
staudingeri ♂
staudingeri ♀
richardsoni ♂
richardsoni ♀
myrtilli ♂
rufescens
peralbata
alpina
citrina
cordigera
suffusa
melanopa ♀
melanopa ♂
vidua ♂
vidua ♀
rupestralis
mausi
flammea ♀
flammea ♂
griseovariegata
zemblica
cyclopea
cymbalariae
oberthürii
melaleuca
lapponica
zetterstedtii ♂
labradoris
nigrita
funesta
tarnerlana
lunulata
jugorum
grumi
sacelli
cardui
cognata
chanzyi
purpurascens
subrosea
imperialis
cora
copiosa
callicore
rupicola
theophila
tenebrata
obscura
jocosa
ab. viola
restricta
divalis
dos
decorata
viola
aurantiaca
signalis
dipsacea
adaucta ♂
adaucta ♀
albida
canariensis ♂
canariensis ♀
intensiva
peltigera ♂
peltigera ♀
obsoleta ♂
obsoleta ♀
fusca ♀
rufa ♀
nubigera
assulta
dejeani
incarnata
feildi
delphinii
rhodites
phlebophora ♂
phlebophora ♀
scutosa ♂
scutosa ♀
scutatus
optabilis ♂
optabilis ♀

a
venosa
eudoxia
decorata
artaxoides
striata ♂
striata ♀
syrticola
atkinsoni
luteifascialis
b
albolinearia ♀
albolinearia ♂
dimidialis ♂
velox ♂
velocior ♂
dardouini
melabela
griseimargo
lacernaria
phlomidis
cretula
c
arcuinna ♂
arcuinna ♀
argillacea ♂
argillacea ♀
ingrata
suava ♂
suava ♀
jucunda ♂
jucunda ♀
d
kuelekana
communimacula
scitula
ostrina
suffusa
aestivalis ♂
aestivalis ♀
carthami
porphyrina
parva
e
rubefacta
griseata
noctualis
wagneri
ochreola
candidana
scafiota
impura
viridula
clychrysi
pannonica
lenis
f
amasina
rosea
respersa
grata
obliquata
scitulosa
purpurina
secunda
cochylioides
g
calida
anachoresis
ragusana
polygramma
parallela
densata
pusilla
gracilis
cand'cans
albida ♂
h
albida ♀
gratissima
transmitteus
albida ♂
ephimera
jocularis
chlorotica
virginalis
suppuncta
i
deserti
conistrota
albivestalis
deserta
leucanides
pura
suppura
pallidula
straminea
himmighoffeni
k
divisa
glaucotorna
mira
juncturalis
mesophaea
argillacea
hebescens
numerica ♂
numerica ♀
obliterata
punctigera
l
ankowskii
manleyi
clara
moldavicola ♂
moldavicola ♀
punctum
annulata
axis
m
octo
natalis ♂
natalis ♀
vialis ♂
vialis ♀
bella
signifera
arefacta
beraudi
teilhardi
brunnea
n
trilinea
wollastoni
griseola
uniformis
subvenata
sancta
syrtensis
karachiensis
tapina
leucosticta
leucota
dictaria
lascivalis
aenescens
brunnea

a
staudingeri
miasma
debilis
gayneri
hansa
grata
viridis
illota
pura
nitens
confusa
b
venata
incondita
stellata
lativitta
melaleuca
plumbitincta
flavipuncta
fasciana
albilinea
c
stygia
fentoni ♂
fentoni ♀
mandarina
rosacea
falsa ♂
falsa ♀
♂ distinguenda
distinguenda ♀
d
atrata
deceptoria
nemorum
senex
confusa
brunnea
nivata
numisma
e
squalida
delicatula
argentula
pulchra
munda
flaviplaga
uncula
olivana
tripartita
f
candidula ♀
candidula ♂
obliqua
magna
japonica
noloides
culta
tegulata
mesozona
undulata
g
bipartita
diaphora
maculata
trilineata
♂ oranaria
♂ trabealis
trabealis ♀
nigra
♂ confluens
delecta
flavonitens
h
viridisquama
algira ♂
algira ♀
fascialis
ruficincta
marmoralis ♂
marmoralis ♀
costiplaga
urania ♂
olivacea
i
urania ♀
secta
lucida
albicollis
lugens
irregularis
insolatrix
evanescens
k
titania ♂
titania ♀
luctuosa ♂
angustifascia ♂
biskrensis
sordescens
costimacula
lunana
l
exusta ♂
exusta ♀
ocellata
fervens
curvilinea
anceps
grisea ♂
m
grisea ♀
varipes
malvae ♂
malvae ♀
graellsii
transversa ♂
n
decipiens
ochroleucana
erosa ♂
erosa ♀
libatrix
transversa ♀


a
b
c
d
e
f
g
h
i
k
l
m
geyeri
adulatrix
grabeczeuwskii
blandiatrix
aeratrix
multiplicans
lunulata ♀
costata ♀
inexacta ♀
impigens
uniformis
basalis ♀
prominens ♂
♀ prominens
falsalis
abbrevia-ta
muscula-na
revayana
fusculana
dilutana
degenerana
obscura
glaucana
coreana
hampsoni
ilicana
ramosana
nilotica ♀
nigri-macula ♀
nigrino-tata
ruficirra
argentea ♀
chinensis ♀
senex ♀
senex ♂
fasciata
strigata
megei
quinaria ♂
quinaria ♀
semipallens
rufitincta
irrorata
nigrosignata
aperta
fentoni
extrema
clara
argentata ♀
suffusa
rufilota
flavata
ferreilutea
sanguinolenta ♂
sanguinolenta ♀
chlorophyl-lana
syria-cana
chlorana
vernana
obliterata ♂
falcata ♀
falcata ♂
roseifera ♀
pudica-na
pupilla-na
insulana
decolorata
cupreoviridis
semifascia
ochreimargo
anthophilana
monosticta ♀
prasinana ♂
prasinana ♀
britannica ♂
britannica ♀
rufilinea
hongarica ♂
hongarica ♂
kraeffti ♂
kraeffti ♀
sylpha ♂
sylpha ♀
japonica ♀
japonica ♂
bicolorana
conspersa
africana
distincta ♂
distincta ♀

a
dilecta
olivascens
powelli
dayreni
b
dula
albimedia
sponsa
fasciata
rejecta
c
grisea
laeta
neonympha
variegata
d
fraxini
maerens
gaudens
e
contigua
lara ♂
lara ♀
f
bella
serenides
pacta
cretacea
discolor

a
b
c
d
e
f
nupta
conjuncta
rubridens
languescens
brunnescens
elocata
vaga
marita
tenuivittata
oberthüri
orientalis
puerpera
genetrix ♂
munda
pudica ♀
adultera ♂
diluta ♂
neglecta
zalmunna
electa
subtristis
remissa
meridionalis
indecorata
nivea

a
promissa
exilis
obsoleta
hilaris
conjuncta
b
vivida
timur
juncta
optima
amabilis
c
sultana
intermedia
contemnenda
desiderata
fumosa
d
patala
doerriesi
columbina
butleri ♀
e
optata
amanda
lupina
detrita
aestimabilis
fulva
f
agitatrix
nymphagoga
tmolia
albinata
contorta
fulvipennis
g
inconstans ♂
inconstans ♀
innota
mirifica

a
tenuivitta
ella
nubilus
helena
nymphaea ♂
b
nymphaea ♀
kashmirica
thalamus
jonasi ♂
jonasi ♀
c
fumiplaga
praegnax ♂
praegnax ♀
connexa
nubila
d
fasciata
fulminea
protonympha
xarippe
largetami
e
disjuncta
separata
luctuosa
diversa
degener
eutychea
anthracila
f
fasciata
mixta
albimixta
griseata
vallantini
connexa
g
hymenaea
posthuma
conversa
tgamos
carbonaria
y
seminigra
actaea
fumifera
sancta
dissimilis

a
pallida
ciliata ♂
ciliata ♀
b
♀
endoleuca
indicra
cervina
maxima
enormis
c
fautrix ♀
brunnescens
caerulea
rectifasciata ♀
fautrix ♂
d
rectifasciata ♂
glaucopis ♀
crepuscularis ♀
pilosa
e
macrops ♂
macrops ♀

a
b
c
d
e
crepuscularis
obnubilata
albicinctus
laetitia ♀
vespertilio ♂
vespertilio ♀
griseatus
shiva ♂
pudens ♂
grandimacula ♀
parvimacula ♂
retorta ♂
retorta ♀
longimacula ♀
persimilis ♂
geminipuncta ♂
feniseca ♂
helicina ♂
helicina ♀

a
b
c
d
e
f
japonica ♂
japonica ♀
suffumosa ♀
celsiana
fasciata ♂
rubicunda ♀
martha
carnea
innotata
signata
grisescens ♀
dotata ♀
obsoleta
juno
lunaris ♀
lunaris ♂
rufa
murina
olivescens
inconspicua ♂
inconspicua ♀
separans
tirhaca
pura
vesta

a
b
c
d
e
f
g
h
auricularis
absens
triphaenoides ♂
triphaenoides ♀
olista
algira ♂
curvata ♂
arcuata ♀
albivitta
maturata
analis
illibata ♂
illibata ♀
arctotaenia ♀
praetermissa ♀
stuposa
dulcis ♂
geometrica
orientalis
bifulvata
umbrosa
mimula
fulvotaenia ♀
absorpta
contracta
unipuncta
undata ♀
virbia ♂
stolida ♂
attenuata ♀
boisdeffrei ♀
boisdeffrei ♂
palaestinensis ♀
mygdon
hyppasia
electaria ♂
obscura ♂
frugalis ♂
nigripunctata
annetta ♀
ancilla ♂
laxa ♂
languescens
discios
latiorata
umbrosa ♀
umbrosa ♂
niveostrigata

a
b
c
d
e
f
g
h
i
k
hypocyanea ♂
benenotata
lutea ♂
hypocyanea ♀
lutea ♀
illunaris ♂
ossea ♀
sancta ♂
obsoleta
haifae ♂
haifae ♀
sancta ♀
syriaca ♂
syriaca ♀
albimargo
pallida ♂
lapidea ♀
sublunaris
delunaris
terrulenta ♂
terrulenta ♀
luteonigra
albicincta
albidentaria ♂
albidentaria ♀
albidentaria ♀
squalens ♂
squalens ♀
rufescens ♂
fasciolata ♀
vetusta
acrosticta
imitatrix ♂
imitatrix ♀
simiola ♂
mirifica ♂
intermixta
insana ♂
insana ♀
confusa
sana
scapulosa
sequistria
albimedia
picta ♂
obfuscata ♀
radapicta ♀
latimedia ♂
kabylaria ♀
roda ♂
roda ♀
juvenilis ♀
fortalitium ♀
albescens ♀
mi ♂
ochrea ♂
ochrea ♀
litterata ♂
illuminata ♂
illuminata ♀
extrema ♂
suffusa ♀
regia ♂
glyphica ♂
suffusa ♂
marginata ♂
obsoleta ♂
tristicula ♀
dentata ♂
dentata ♀
triquetra ♀
aurantiaca ♀
fumata
munita ♂
derufata ♀
sordida ♀
immunita

a
b
c
d
e
f
g
grisea ♀
crameri ♂
discalis ♀
arenosa ♀
fasciolata ♂
bifasciata
moses
sabulifera ♀
assimilis ♀
vilis ♀
dolosa ♂
hetaera ♂
praetermissa ♂
lesbia ♀
deuteronympha
proxenes
streckeri
musmi
eminens
scortorum
abamita
mesopotamica
repudiata
omphale
obscena
prolifica
davidi
separans
intacta
flavescens
puella
leechi
wiskotti
triphaenoides
stertzi
duplicata
emichi

a
devergens
hochenwarthi
cuprina
alaica
tibetana
composita
parilis
microgamma
b
ain
tumidisigna
diasema ♂
diasema ♀
interrogationis
orbata
flammifera
c
cinerea
gammifera
ignifera
circumflexa ♀
festucae ♀
major ♂
d
festata
conjuncta
barbara ♂
bractea ♂
bractea ♀
excelsa
argyrosigna
e
chryson
leonina
bieti
zosimi
juncta
f
chrisitis
disjuncta
scintillans
nadeja
stenochrysis ♂
stenochrysis ♀
aurea
g
peponis
orichalcea ♂
orichalcea ♀
intermixta ♂
intermixta ♀
chalcytes ♀
h
chalcytes ♂
eriosoma ♀
agnata ♂
purpureofusa ♂
pyropia
ornatissima
dives ♂
i
aemula ♂
deaurata ♂
v-argenteum
ornata
jota ♀
percontatrix ♂
k
inscripta
baltica
monogramma ♀
pulchrina
percontatrix ♀
buraetica

a
pallida ♂
gamma
pallida
rufescens ♂
rufescens ♀
purpurissa
nigrisigna
b
mandarina
♂ macrogamma
macrogamma ♀
confusa
crassisigna
albostriata ♂
c
purissima
tancrei
jessica
v-minus
accentifera
rufilifrons ♂
variabilis ♂
d
variabilis ♀
sergia ♀
decolor ♂
consona ♂
renardi ♂
siderifera ♀
e
italica ♂
herrichi
modesta ♂
modesta ♀
uralensis ♂
cashmirensis ♂
f
♂ inconspicua
♀ inconspicua
gerda ♂
paulina ♂
maria ♀
augusta ♀
dorsiflava ♂
g
ni ♂
ni ♀
comma ♀
dauberi
circumscripta
cheiranthi ♂
h
obscurata
abrostoloides
c-aureum ♂
♀ c-aureum
splendida
hebetata
i
moneta ♂
moneta ♀
margarita
esmeralda
aurata
k
bella
tripartita ♀
triplasia ♂
triplasia ♀
asclepiadis ♂
asclepiadis ♀

a
xanthyndima ♀
xanthyndima ♂
involuta ♀
sabulifera ♀
bipuncta ♂
ruficlathrata
erosa ♂
erosa ♀
b
costifuscata
mesogona ♂
mesogona ♀
fulvida
subfulvida
griseolineata ♂
griseolineata ♀
c
fullonica ♂
fullonica ♀
tyrannus ♂
d
tyrannus ♀
salaminia ♂
caranea ♂
mediomaculata ♀
e
inangulata ♂
inangulata ♀
sobria ♂
sobria ♀
fraterna ♂
fraterna ♀
fraterna ♀
f
mormoides ♀
sublucida ♀
nigrifascia ♂
purpurata ♀
dubitaria ♂
g
albovittata
picta ♂
picta ♀
albinigra ♂
achatina ♂

a
achatina ♀
lucida ♂
fumosa ♂
fumosa ♀
flavipuncta ♂
fuliginosa
b
punctosa ♀
umbrosa ♂
distincta ♂
distincta ♀
astrigera ♀
cyanovitta ♂
c
cyanovitta ♀
sabulosa ♂
brunnea ♂
latifasciata ♂
latifasciata ♀
curvilinea ♂
d
rubrifascia ♀
albimedia ♂
simplex ♂
simplex ♀
lilacina
kirbyi ♀
e
kirbyi ♂
amplifascia ♂
amplifascia ♀
ornata ♂
hercules ♂
f
prunosa ♂
prunosa ♀
olena ♂
olena ♀
sobrina
g
marginata ♀
marginata ♂
otiosa ♂
quenavadi ♂
quenavadi ♀
anysa ♂
anysa ♀
h
sennaarensis
similota
virens
apicalis
cossoides
deponens ♂
deponens ♀

a
spectrum ♂
fasciata ♀
obscura ♂
phantasma
b
maura ♀
innotata ♂
centralasiae
polygrapha ♀
c
cataphanes ♀
ligaminosa
subligaminosa
maculifera
maura
limbata ♂
obscurata ♀
d
praeligaminosa
dilucida
rosea
cerealis
gracilis
inconspicua
asiatica
e
exsiccata ♀
lusoria ♂
lusoria ♀
sublutea ♀
glycyrrhizae
alfacaria
f
lubrica
obscurata
sublubrica ♀
pastinum
decolor ♀
graccae ♂
laevigata
g
viciae
brunnea
coecula
grisea
recta
suffusa
limosa
h
recta ♀
brunnea ♀
nigricostata
lutosa
rectangularis
cinerea ♂
i
varia
alchymista
leucomelas
rufimixta
funesta
flavescens
brunnea

a
b
c
d
e
f
g
h
amata ♂
amata ♀
rufescens ♀
flavomaculata ♀
sericeum ♀
fuliginosum
campana ♂
campana ♀
alope ♂
chinensis ♂
scrobiculata ♂
scrobiculata ♀
liturata ♂
davallia ♀
combinans
subunita ♀
removens ♀
removens ♂
manlia ♂
manlia ♀
umminea
ussuriensis ♂
ussuriensis ♀
consueta ♂
rubricans ♀
mandarina ♂
butleri
rubricans
transducta ♂
signipalpis ♂
signipalpis ♀
subsaturata
limbata
aspersa
moorei ♂
moorei ♀
intensiva
minuticornis
bicolor
aureola ♀
emarginata ♂
emarginata ♀
rectistria ♂
excavata ♂
excavata ♀

haemorrhoa
simillis ♀
spilota ♂
jankowskii
fricta ♀
aberrans
panaceorum ♀
hueberi
eremophila
secunda ♂
kisilkumensis
clio ♂
dentata ♂

Werner u. Winter, Frankfurt a. M. ad nat. repr.

Werner u. Winter, Frankfurt a. M. ad nat. repr

Werner u. Winter, Frankfurt a

. Werner u. Winter, rt a. M. ad nat.

Werner u. Winter, Frankfurt a. M. ad nat. repr.

DO NOT CIRCULATE